## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	777	(251/212).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/18 15:25
L2	224	L1 and pivot\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/18 15:25
L3	1	L1 and pivot\$4 same needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/18 15:25
L4	64	L1 and pivot\$4 same adjust\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/18 15:27
S1	10	(("6796124") or ("6786045") or ("6647725") or ("4598550") or ("4307571") or ("4075847") or ("4006594") or ("3989417") or ("6804224") or ("7093458")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 13:53
S2	2	(Segen near3 estefen).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:05
\$3	0	(paulo da costa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:06
S4	0	(paulo near3 da costa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:06
S5	0	(paulo roberto da costa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:06
S6	6	(paulo near3 costa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:07
S7	1	(marcelo near3 pinheiro).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:07
 S8	3	(("4931662") or ("3970415") or ("4076464")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/28 17:08
S9	22	("0827639"   "0870706"   "4317047"   "4418286").PN. OR ("4931662").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:16

S10	19	("0003010"   "0541631"   "0582282"   "0632836"   "0882883"   "1078323"   "3487228").PN. OR ("4076464"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:18
S11	30	("1223184"   "2935024"   "3126830"   "3603804").PN. OR ("3970415").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:19
S12	19	("0696982"   "1342318"   "1485574"   "3970415"   "4103490"   "4108579"   "4111610"   "4462762"   "4496846"   "4683720"   "4719754"   "4720976"   "4914915"   "5027000"   "5066867"   "6023105").PN. OR ("7419366").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:21
S13	34	("0616467"   "0988508"   "2848189"   "3970415"   "4160624").PN. OR ("4560884"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:24
S14	958	((60/495) or (60/497) or (60/500) or (290/42) or (290/53)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/28 17:28
S15	30	S14 and nitrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:28
S16	9	("4563591"   "4684815"   "4931662"   "5426332"   "5440176").PN. OR ("5921082"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/28 17:34
S17	102	hyperbaric with water	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:14
S18	713	pressurizing water	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:18
S19	21	storing pressurized water	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:19
S20	15	("3016250"   "3240515"   "3606358"   "3618988"   "4498680"   "4817994"   "5101745").PN. OR ("5291842"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:35
S21	1379	(high pressure or pressurized) near3 water same nitrogen	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:37
S22	103	(high pressure or pressurized) near3 water same nitrogen same (generator or turbine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 08:37

S23	0	"251.clas"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 09:41
S25	114729	"251".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 09:41
S26	4535	S25 and needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 09:41
S27	1223	S25 and needle same ring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 09:41
S28	93	S25 and needle same ring same regulating	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 09:42
S29	1	outflow adjustment needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 12:42
S30	2074	adjustment needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 12:42
S31	8	adjustment needle and adjustment ring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 12:42
S32	836	(251/122).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/03 09:04
S33	237	(60/497,500).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 10:46
S35	19	("1097073"   "1358259"   "3268154"   "3817662"   "4160624"   "4224527"   "4364715"   "4560884"   "4622473"   "5027000"   "5179837"   "5473892"   "5708305"   "6717284"   "6953328"   "7059123").PN. OR ("7549288").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 10:49
S36	15	("1502511"   "4206434"   "4345434").PN. OR ("4480966"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:07
S37	14	("2242598"   "4123667"   "4139984").PN. OR ("4222238"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:11
S38	22	("0671592"   "0748757"   "0851549"   "2966776"   "4105368").PN. OR ("4204406"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:16

S39	181	(417/332).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 11:18
S40	20	("1018678"   "1540364"   "3274941"   "3957398"   "4076464"   "4105368"   "4210821"   "4302161"   "4413956"   "4563591"   "4686377").PN. OR ("4792290"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:22
S41	42	("0306152"   "0616467"   "0692396"   "1403702"   "1555487"   "1887316"   "1925742"   "1938311"   "2711654"   "2856781"   "3302765"   "3359809"   "3403668"   "3487228"   "3664125"   "3752421"   "3818771"   "3974652"   "4023515"   "4034565").PN. OR ("4105368").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:39
S42	21	("1244309"   "1555487"   "1639956"   "1864499"   "4111610").PN. OR ("4281257"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/06 11:45
S43	189	(john near3 berg).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:42
S44	30	(john near3 berg).in. and wave	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:42
S45	6	(john near3 berg).in. and wave with pump	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 14:42
S46	116658	"251".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:06
S47	5185	S46 and (claw or finger)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:06
S48	338	S46 and claw	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:06
S49	0	S46 and claw with needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/23 16:06
S50	774	(251/212).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/26 14:26
S51	14	S50 and needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/26 14:27

S52	19	("3788598"   "4007909"   "5269771"   "5353837"   "5360413"   "5401245"   "5555908"   "6036171"   "6048335"   "6063062"   "6068011").PN. OR ("6626418"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/26 14:39
S53	2505	(251/120-122).OOLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/26 14:44
S54	448	S53 and (needle or plunger)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/26 14:45
S55	24	S53 and (needle or plunger) and (claw or finger)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/26 14:45
S56	561	(417/330-332). COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/16 10:03
S57	972	(290/42,53).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/16 10:04
S58	650	(60/495,497,505,506).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/16 10:05
S59	627	(S56 or S57 or S58) and wave and (piston or cylinder)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:06
<b>S</b> 60	804	(S56 or S57 or S58) and wave and (piston or cylinder or pump \$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:07
S61	461	(S56 or S57 or S58) and wave and (piston or cylinder) and pump\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:07
S62	500	(S56 or S57 or S58) and wave and (piston or cylinder) and (pressuriz\$3 or pump\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:08
S63	367	(S56 or S57 or S58) and wave and (piston or cylinder) and (pressuriz\$3 or pump\$3) and (accumulat\$3 or storage or reservoir)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:10
S64	3	"20040007881" or "20020067043"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:21
S65	23	("0692396"   "1097073"   "2848189"   "3828557"   "4514644"   "4560884"   "4754157"   "4931662"   "5084630"   "5094595").PN. OR ("5708305").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:27

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S66	1881	(S56 or S57 or S58)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 10:54
S67	16932	"251".clas. and pivot\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:00
S68	2518	(251/120-122).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/16 14:02
S69	275	S68 and pivot\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:02
S70	12	S68 and pivot\$4 same needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:02
S71	5	"251".clas. and pivot\$4 same needle same spread\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:04
S72	226	valve same pivot\$4 same needle same spread\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:16
S73	1	"251".clas. and fulcrum same needle same spread\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:19
S74	336	"251".clas. and needle same arm same pivot\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:20
S75	96	"251".clas. and needle with arm same pivot\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:20
S76	2301	"251".clas. and needle same (pivot\$4 or rotat\$3 or swivel or turn\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:42
S77	996	"251".clas. and needle with (pivot\$4 or rotat\$3 or swivel or turn\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:42
S78	177	"251".clas. and needle with pivot \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/16 14:44

## **EAST Search History (Interference)**

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## 3/18/2011 4:41:57 PM

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